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Shi(10) **Pub. No.: US 2016/0241950 A1**(43) **Pub. Date: Aug. 18, 2016**(54) **SOUND TRANSDUCER ACOUSTIC BACK
CAVITY SYSTEM****Publication Classification**(71) Applicant: **Nokia Corporation**, Espoo (FI)(72) Inventor: **Shengrong Shi**, San Diego, CA (US)(73) Assignee: **Nokia Corporation**(21) Appl. No.: **15/136,002**(22) Filed: **Apr. 22, 2016**(51) **Int. Cl.**
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(2013.01)(57) **ABSTRACT**

An apparatus including a housing member and an airflow spreader. The housing member includes an acoustic back cavity for a sound transducer and at least two second cavities in the housing member spaced from the acoustic back cavity. The airflow spreader is connected to the housing member. The airflow spreader includes a conduit system connecting the acoustic back cavity directly with each of the at least two second cavities through the airflow spreader.

Related U.S. Application Data

(63) Continuation of application No. 14/419,241, filed on Feb. 2, 2015, now Pat. No. 9,326,054, filed as application No. PCT/CN2012/080043 on Aug. 13, 2012.

